

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5260	98.66%	0.06
802.11n HT20	5260	99.55%	0.02
802.11n HT40	5270	99.53%	0.02
802.11ac VHT20	5260	99.54%	0.02
802.11ac VHT40	5270	99.47%	0.02
802.11ac VHT80	5290	99.46%	0.02
802.11ax HE20	5260	99.54%	0.02
802.11ax HE40	5270	99.47%	0.02
802.11ax HE80	5290	99.45%	0.02

Output Power NII2A

Mode	Tones/ RUIndex	Freq (MHz)	Ant	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5260	Ant7	11.37	9.77
			Ant8	11.62	9.32
		5280	Ant7	11.31	9.71
			Ant8	11.65	9.35
		5320	Ant7	11.31	9.71
			Ant8	11.46	9.16
802.11n20M		5260	Ant7	11.27	9.67
			Ant8	11.71	9.41
			Ant7+Ant8	14.51	12.55
		5280	Ant7	11.19	9.59
			Ant8	11.58	9.28
			Ant7+Ant8	14.40	12.45
		5320	Ant7	11.24	9.64
			Ant8	11.30	9.00
			Ant7+Ant8	14.28	12.34
802.11n40M		5270	Ant7	11.48	9.88
			Ant8	11.71	9.41
			Ant7+Ant8	14.61	12.66
	5310	Ant7	11.30	9.70	
		Ant8	11.46	9.16	
		Ant7+Ant8	14.39	12.45	
802.11ac20M	5260	Ant7	11.35	9.75	
		Ant8	11.61	9.31	
		Ant7+Ant8	14.49	12.55	
	5280	Ant7	11.29	9.69	
		Ant8	11.32	9.02	
		Ant7+Ant8	14.32	12.38	
	5320	Ant7	11.35	9.75	
		Ant8	11.28	8.98	
		Ant7+Ant8	14.33	12.39	
802.11ac40M	5270	Ant7	11.41	9.81	
		Ant8	11.49	9.19	
		Ant7+Ant8	14.46	12.52	
	5310	Ant7	11.29	9.69	

802.11ac80M			Ant8	11.44	9.14
			Ant7+Ant8	14.38	12.43
		5290	Ant7	11.21	9.61
			Ant8	11.47	9.17
			Ant7+Ant8	14.35	12.41

Mode	Tones/ RUIndex	Freq (MHz)	Ant	Conducted average power output(dBm)	EIRP (dBm)
802.11ax20M	26T/0	5260	Ant7	7.00	5.40
			Ant8	6.96	4.66
			Ant7+Ant8	9.99	8.06
		5280	Ant7	7.05	5.45
			Ant8	7.12	4.82
			Ant7+Ant8	10.10	8.16
		5320	Ant7	7.00	5.40
			Ant8	6.91	4.61
			Ant7+Ant8	9.97	8.03
	26T/4	5260	Ant7	6.59	4.99
			Ant8	6.50	4.20
			Ant7+Ant8	9.56	7.62
		5280	Ant7	6.39	4.79
			Ant8	6.59	4.29
			Ant7+Ant8	9.50	7.56
		5320	Ant7	6.47	4.87
			Ant8	6.44	4.14
			Ant7+Ant8	9.47	7.53
	26T/8	5260	Ant7	6.95	5.35
			Ant8	6.91	4.61
			Ant7+Ant8	9.94	8.01
		5280	Ant7	6.94	5.34
			Ant8	6.98	4.68
			Ant7+Ant8	9.97	8.03
		5320	Ant7	6.88	5.28
			Ant8	6.81	4.51
			Ant7+Ant8	9.86	7.92
	52T/37	5260	Ant7	6.93	5.33
			Ant8	6.78	4.48
			Ant7+Ant8	9.87	7.94
		5280	Ant7	6.64	5.04
			Ant8	6.98	4.68
			Ant7+Ant8	9.82	7.87
		5320	Ant7	6.78	5.18
			Ant8	6.63	4.33
			Ant7+Ant8	9.72	7.79

	52T/39	5260	Ant7	6.55	4.95
			Ant8	6.58	4.28
			Ant7+Ant8	9.58	7.64
		5280	Ant7	6.44	4.84
			Ant8	6.62	4.32
			Ant7+Ant8	9.54	7.60
		5320	Ant7	6.28	4.68
			Ant8	6.30	4.00
			Ant7+Ant8	9.30	7.36
	52T/40	5260	Ant7	6.80	5.20
			Ant8	6.72	4.42
			Ant7+Ant8	9.77	7.84
		5280	Ant7	6.70	5.10
			Ant8	6.71	4.41
			Ant7+Ant8	9.72	7.78
		5320	Ant7	6.48	4.88
			Ant8	6.54	4.24
			Ant7+Ant8	9.52	7.58
	106T/53	5260	Ant7	6.89	5.29
			Ant8	6.89	4.59
			Ant7+Ant8	9.90	7.96
		5280	Ant7	6.73	5.13
			Ant8	7.00	4.70
			Ant7+Ant8	9.88	7.93
		5320	Ant7	6.57	4.97
			Ant8	6.65	4.35
			Ant7+Ant8	9.62	7.68
	106T/54	5260	Ant7	6.78	5.18
			Ant8	6.80	4.50
			Ant7+Ant8	9.80	7.86
		5280	Ant7	6.55	4.95
			Ant8	6.85	4.55
			Ant7+Ant8	9.71	7.76
		5320	Ant7	6.63	5.03
			Ant8	6.61	4.31
			Ant7+Ant8	9.63	7.70
	242T/61	5260	Ant7	11.19	9.59
			Ant8	11.45	9.15
			Ant7+Ant8	14.33	12.39

		5280	Ant7	11.19	9.59
			Ant8	11.49	9.19
			Ant7+Ant8	14.35	12.40
		5320	Ant7	11.03	9.43
			Ant8	11.46	9.16
			Ant7+Ant8	14.26	12.31

Mode	Tones/ RUIndex	Freq (MHz)	Ant	Conducted average power output(dBm)	EIRP (dBm)
802.11ax40M	26T/0	5270	Ant7	6.88	5.28
			Ant8	6.52	4.22
			Ant7+Ant8	9.71	7.79
		5310	Ant7	6.92	5.32
			Ant8	6.55	4.25
			Ant7+Ant8	9.75	7.83
	26T/10	5270	Ant7	6.59	4.99
			Ant8	6.30	4.00
			Ant7+Ant8	9.46	7.53
		5310	Ant7	6.80	5.20
			Ant8	6.39	4.09
			Ant7+Ant8	9.61	7.69
	26T/17	5270	Ant7	6.73	5.13
			Ant8	6.31	4.01
			Ant7+Ant8	9.54	7.62
		5310	Ant7	6.91	5.31
			Ant8	6.49	4.19
			Ant7+Ant8	9.72	7.80
	52T/37	5270	Ant7	6.86	5.26
			Ant8	6.66	4.36
			Ant7+Ant8	9.77	7.84
		5310	Ant7	6.99	5.39
			Ant8	6.46	4.16
			Ant7+Ant8	9.74	7.83
	52T/41	5270	Ant7	6.58	4.98
			Ant8	6.39	4.09
			Ant7+Ant8	9.50	7.57
		5310	Ant7	6.86	5.26
			Ant8	6.38	4.08
			Ant7+Ant8	9.64	7.72

	52T/44	5270	Ant7	6.69	5.09
			Ant8	6.47	4.17
			Ant7+Ant8	9.59	7.66
		5310	Ant7	6.99	5.39
			Ant8	6.56	4.26
			Ant7+Ant8	9.79	7.87
	106T/53	5270	Ant7	6.87	5.27
			Ant8	6.77	4.47
			Ant7+Ant8	9.83	7.90
		5310	Ant7	7.02	5.42
			Ant8	6.60	4.30
			Ant7+Ant8	9.83	7.91
	106T/55	5270	Ant7	6.63	5.03
			Ant8	6.55	4.25
			Ant7+Ant8	9.60	7.67
		5310	Ant7	6.94	5.34
			Ant8	6.39	4.09
			Ant7+Ant8	9.68	7.77
	106T/56	5270	Ant7	6.74	5.14
			Ant8	6.64	4.34
			Ant7+Ant8	9.70	7.77
		5310	Ant7	7.00	5.40
			Ant8	6.54	4.24
			Ant7+Ant8	9.79	7.87
	242T/61	5270	Ant7	6.77	5.17
			Ant8	6.67	4.37
			Ant7+Ant8	9.73	7.80
		5310	Ant7	6.84	5.24
			Ant8	6.48	4.18
			Ant7+Ant8	9.67	7.75
	242T/62	5270	Ant7	6.55	4.95
			Ant8	6.53	4.23
			Ant7+Ant8	9.55	7.62
		5310	Ant7	6.86	5.26
			Ant8	6.46	4.16
			Ant7+Ant8	9.67	7.76
	484T/65	5270	Ant7	10.81	9.21
			Ant8	11.66	9.36
			Ant7+Ant8	14.27	12.30

		5310	Ant7	10.69	9.09
			Ant8	11.36	9.06
			Ant7+Ant8	14.05	12.09

Mode	Tones/ RUIndex	Freq (MHz)	Ant	Conducted average power output(dBm)	EIRP (dBm)
802.11ax80M	26T/0	5290	Ant7	7.04	5.44
			Ant8	6.86	4.56
			Ant7+Ant8	9.96	8.03
	26T/18		Ant7	6.67	5.07
			Ant8	6.52	4.22
			Ant7+Ant8	9.61	7.68
	26T/36		Ant7	6.99	5.39
			Ant8	6.51	4.21
			Ant7+Ant8	9.77	7.85
	52T/37		Ant7	6.99	5.39
			Ant8	6.88	4.58
			Ant7+Ant8	9.95	8.01
	52T/45		Ant7	6.76	5.16
			Ant8	6.56	4.26
			Ant7+Ant8	9.67	7.74
	52T/52		Ant7	6.98	5.38
			Ant8	6.57	4.27
			Ant7+Ant8	9.79	7.87
	106T/53		Ant7	7.00	5.40
			Ant8	6.81	4.51
			Ant7+Ant8	9.92	7.99
	106T/57		Ant7	6.85	5.25
			Ant8	6.53	4.23
			Ant7+Ant8	9.70	7.78
	106T/60		Ant7	6.97	5.37
			Ant8	6.60	4.30
			Ant7+Ant8	9.80	7.88
	242T/61		Ant7	7.00	5.40
			Ant8	6.76	4.46
			Ant7+Ant8	9.89	7.97
	242T/63		Ant7	6.91	5.31
			Ant8	6.51	4.21
			Ant7+Ant8	9.72	7.81

	242T/64		Ant7	7.04	5.44
			Ant8	6.58	4.28
			Ant7+Ant8	9.83	7.91
	484T/65		Ant7	6.91	5.31
			Ant8	6.60	4.30
			Ant7+Ant8	9.77	7.84
	484T/66		Ant7	6.89	5.29
			Ant8	6.48	4.18
			Ant7+Ant8	9.70	7.78
	996T/67		Ant7	10.81	9.21
			Ant8	11.67	9.37
			Ant7+Ant8	14.27	12.30

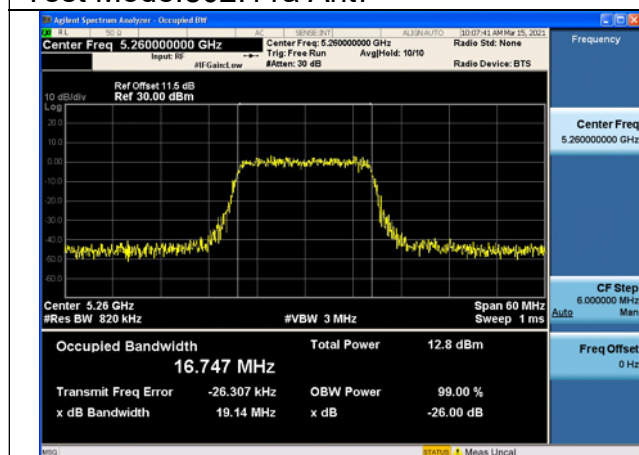
Emission Bandwidth

Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

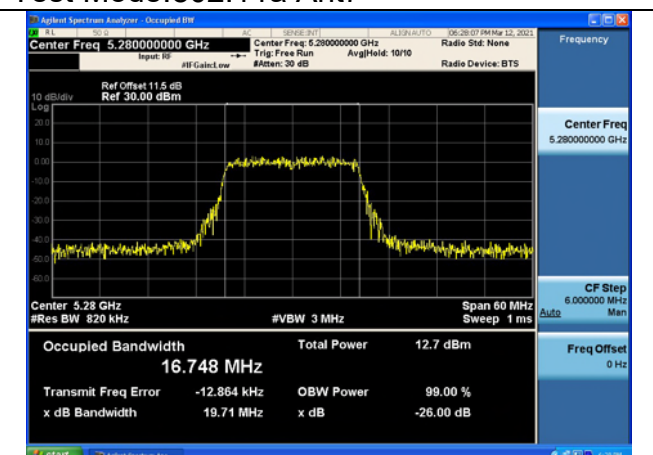
Test Mode:802.11a

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5260	Ant7	19.14
	Ant8	19.25
5280	Ant7	19.71
	Ant8	19.98
5320	Ant7	19.34
	Ant8	19.51

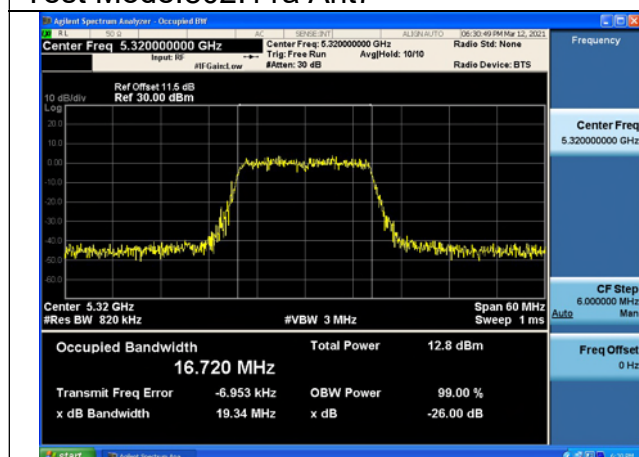
Test Mode:802.11a Ant7



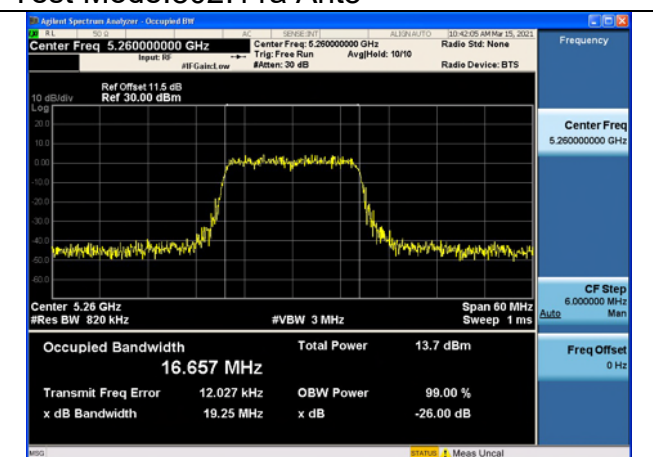
Test Mode:802.11a Ant7



Test Mode:802.11a Ant7

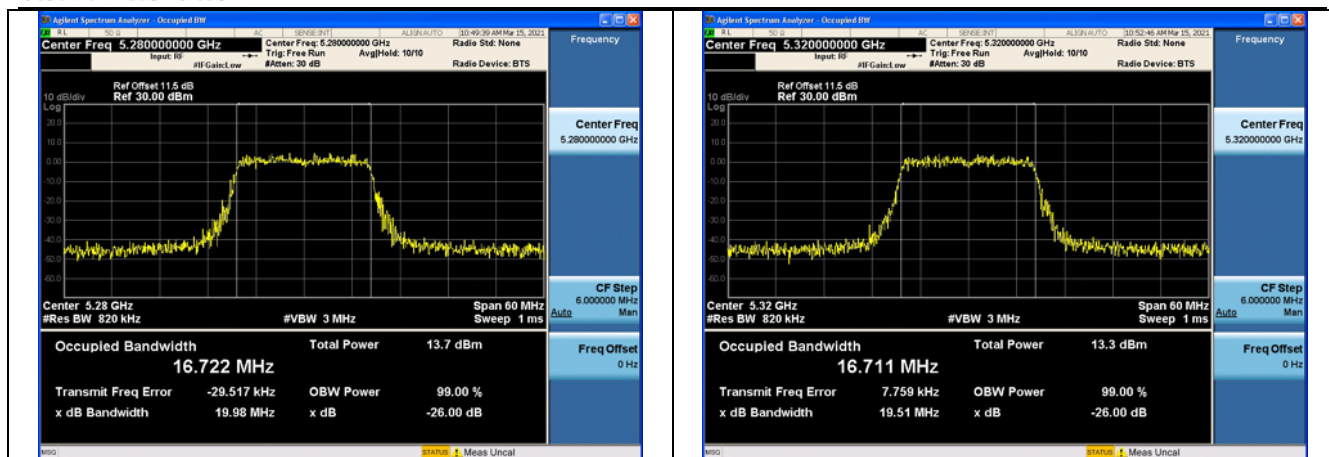


Test Mode:802.11a Ant8



Test Mode:802.11a Ant8

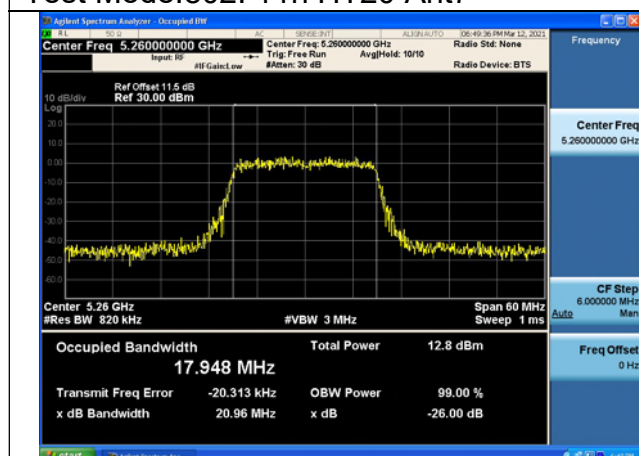
Test Mode:802.11a Ant8



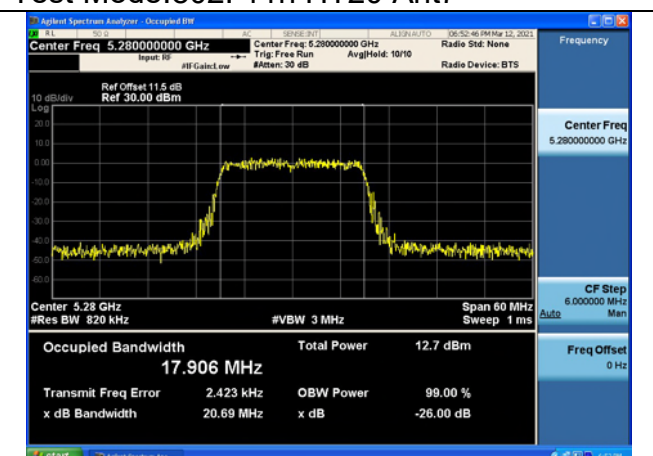
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5260	Ant7	20.96
	Ant8	21.14
5280	Ant7	20.69
	Ant8	20.78
5320	Ant7	20.24
	Ant8	21.03

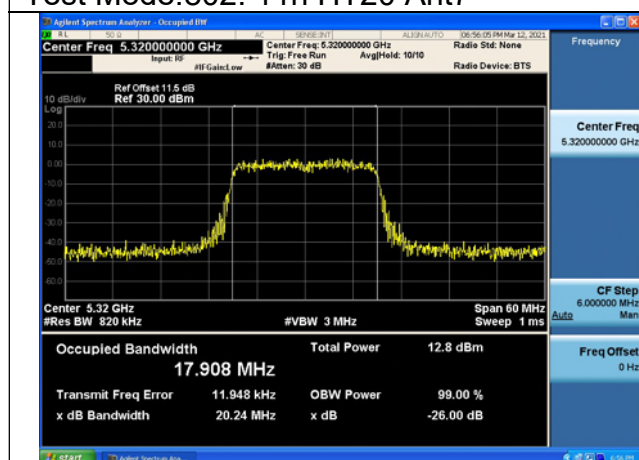
Test Mode:802. 11n HT20 Ant7



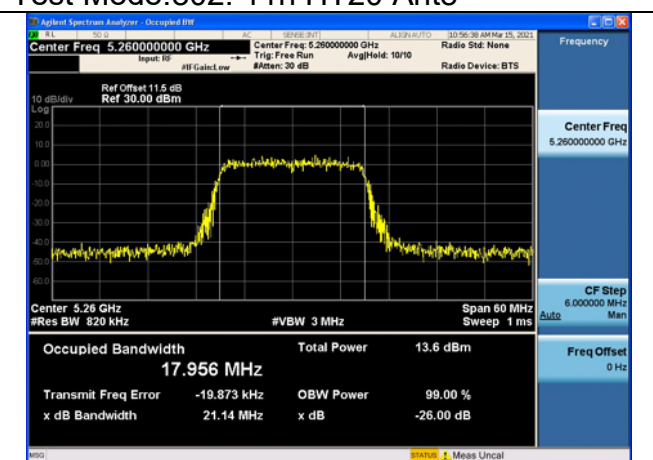
Test Mode:802. 11n HT20 Ant7



Test Mode:802. 11n HT20 Ant7

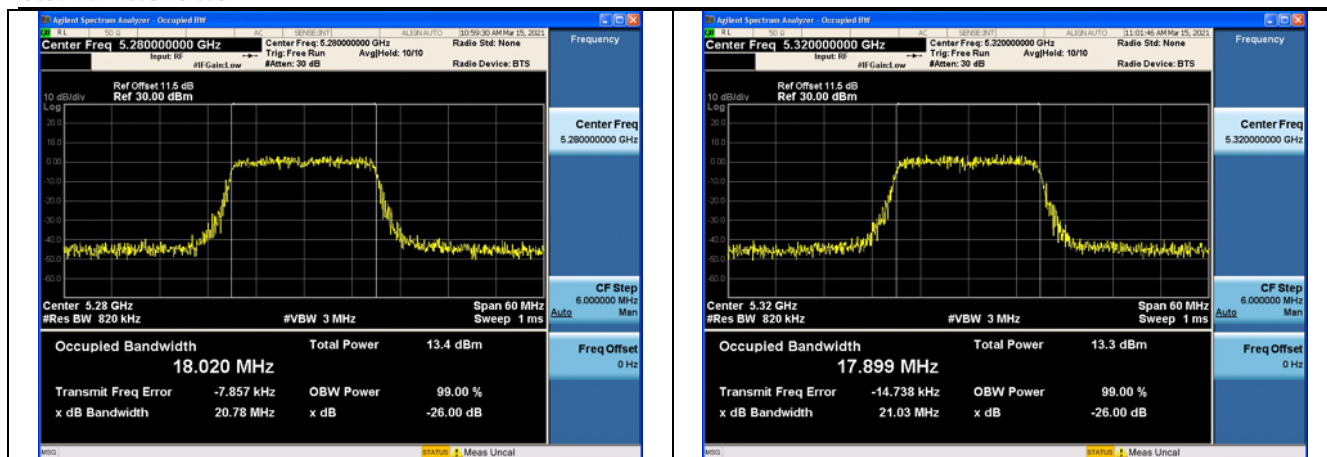


Test Mode:802. 11n HT20 Ant8



Test Mode:802. 11n HT20 Ant8

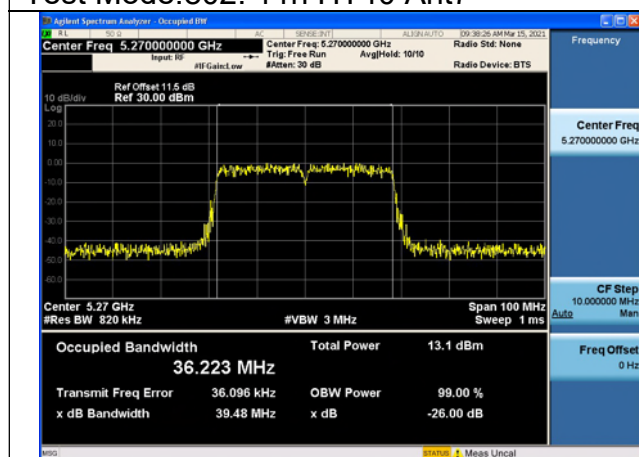
Test Mode:802. 11n HT20 Ant8



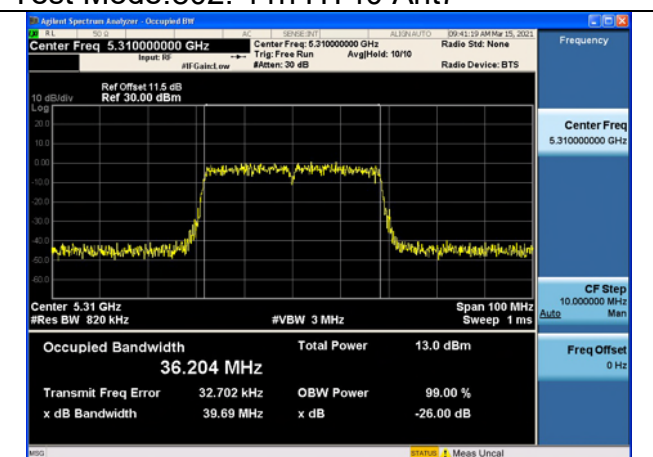
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5270	Ant7	39.48
	Ant8	38.95
5310	Ant7	39.69
	Ant8	39.10

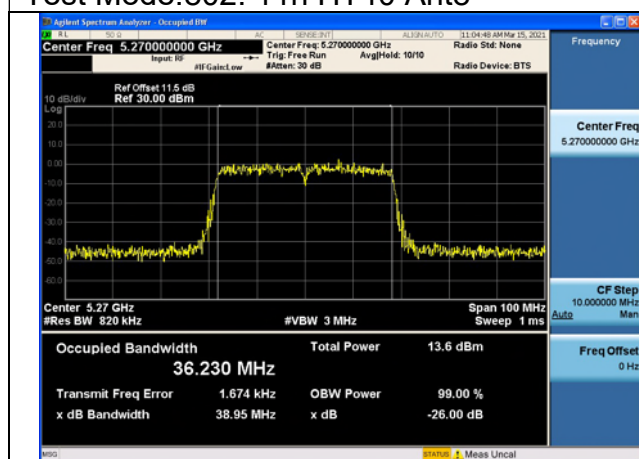
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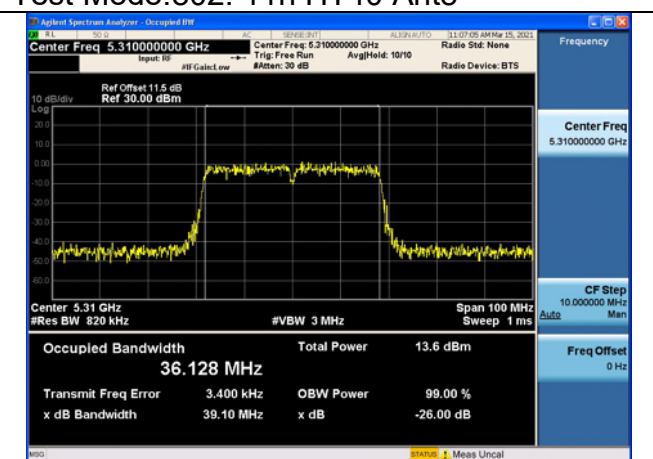
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Test Mode:802. 11n HT40 Ant8



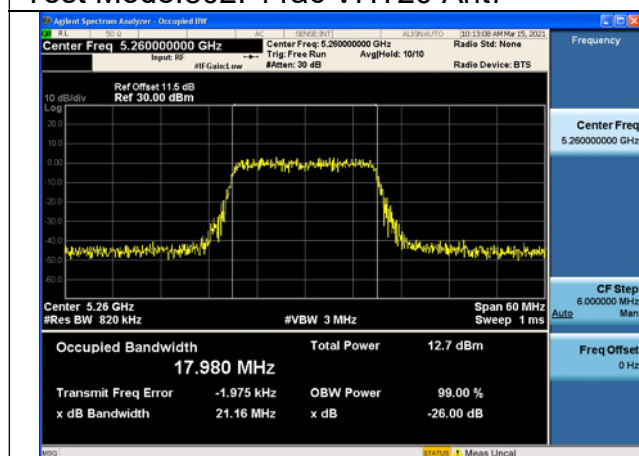
Test Mode:802. 11n HT40 Ant8



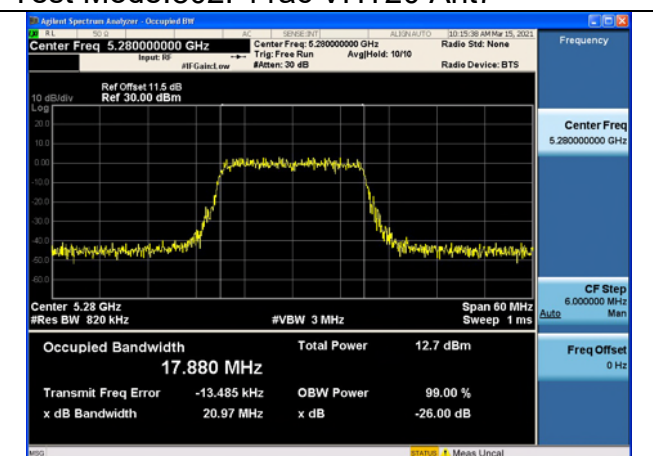
Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5260	Ant7	21.16
	Ant8	20.59
5280	Ant7	20.97
	Ant8	20.62
5320	Ant7	20.91
	Ant8	20.74

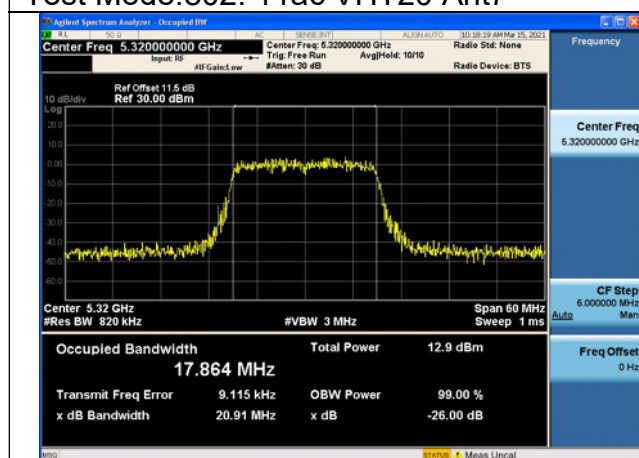
Test Mode:802. 11ac VHT20 Ant7



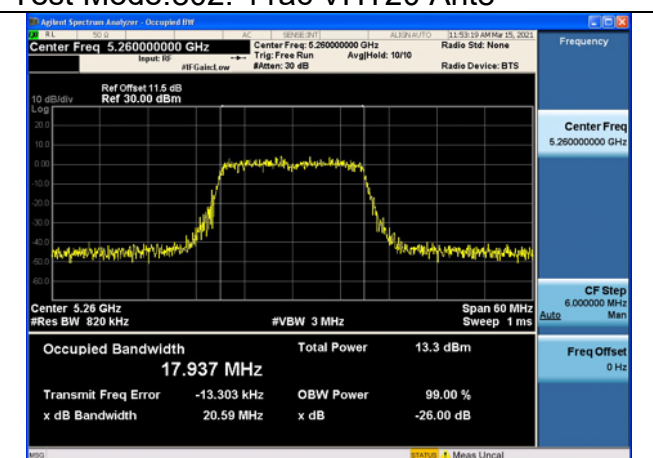
Test Mode:802. 11ac VHT20 Ant7



Test Mode:802. 11ac VHT20 Ant7

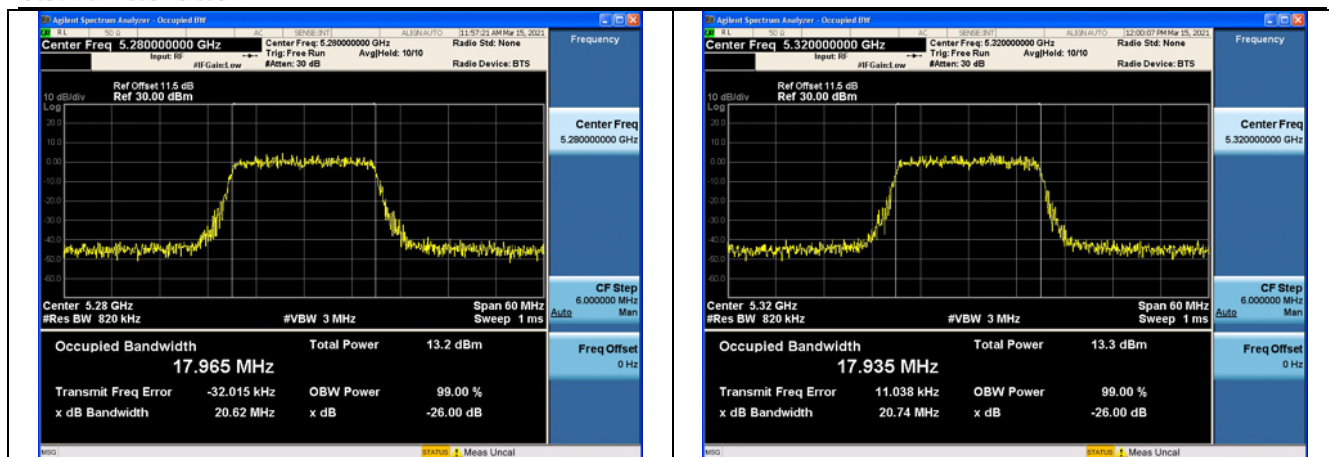


Test Mode:802. 11ac VHT20 Ant8



Test Mode:802. 11ac VHT20 Ant8

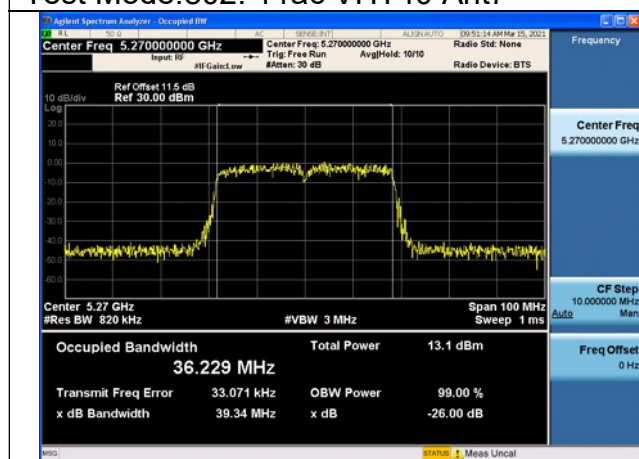
Test Mode:802. 11ac VHT20 Ant8



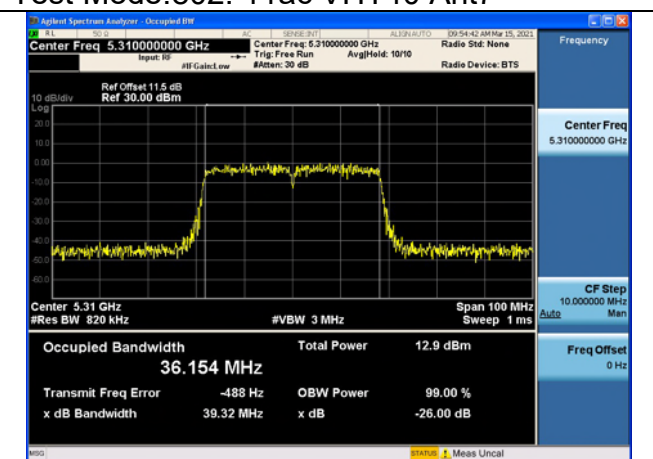
Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5270	Ant7	39.34
	Ant8	39.46
5310	Ant7	39.32
	Ant8	40.03

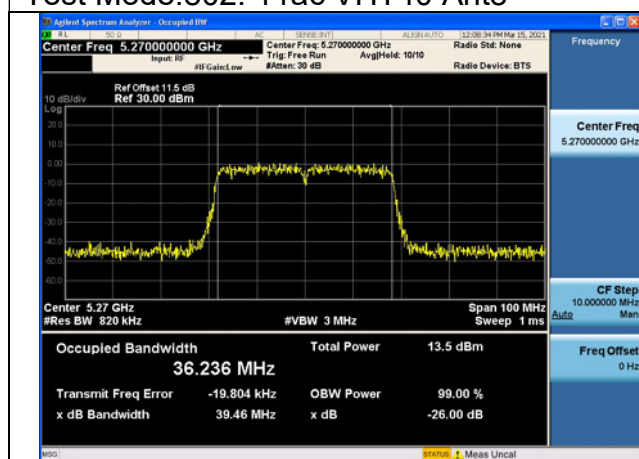
Test Mode:802. 11ac VHT40 Ant7



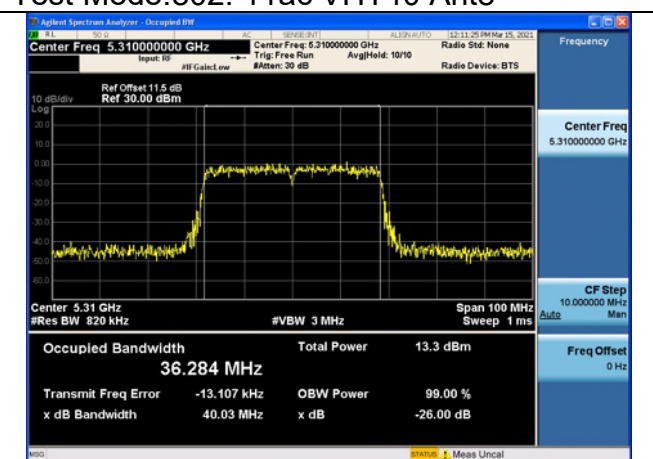
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Test Mode:802. 11ac VHT40 Ant8



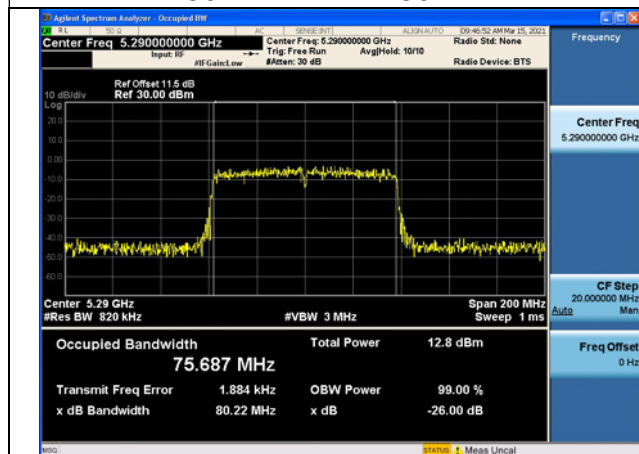
Test Mode:802. 11ac VHT40 Ant8



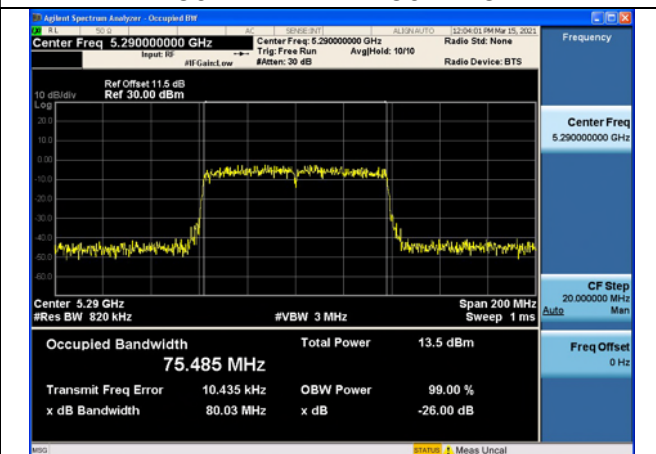
Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5290	Ant7	80.22
	Ant8	80.03

Test Mode:802. 11ac VHT80 Ant7



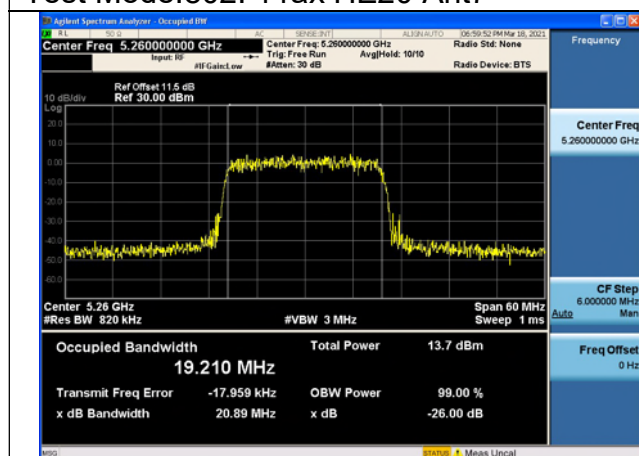
Test Mode:802. 11ac VHT80 Ant8



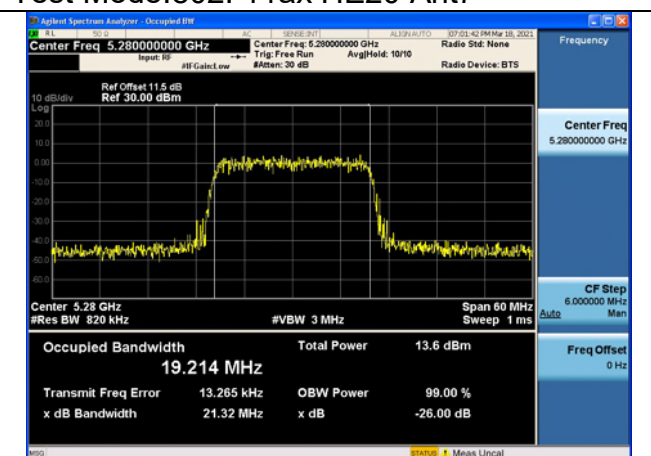
Test Mode:802.11ax HE20(242)

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5260	Ant7	20.89
	Ant8	20.68
5280	Ant7	21.32
	Ant8	21.25
5320	Ant7	20.72
	Ant8	20.79

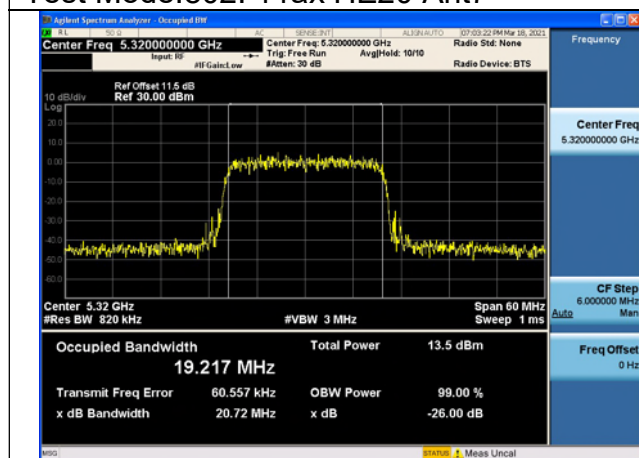
Test Mode:802.11ax HE20 Ant7



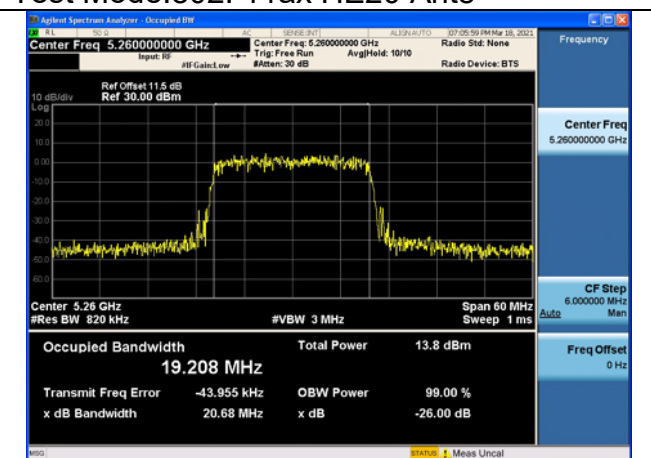
Test Mode:802.11ax HE20 Ant7



Test Mode:802.11ax HE20 Ant7

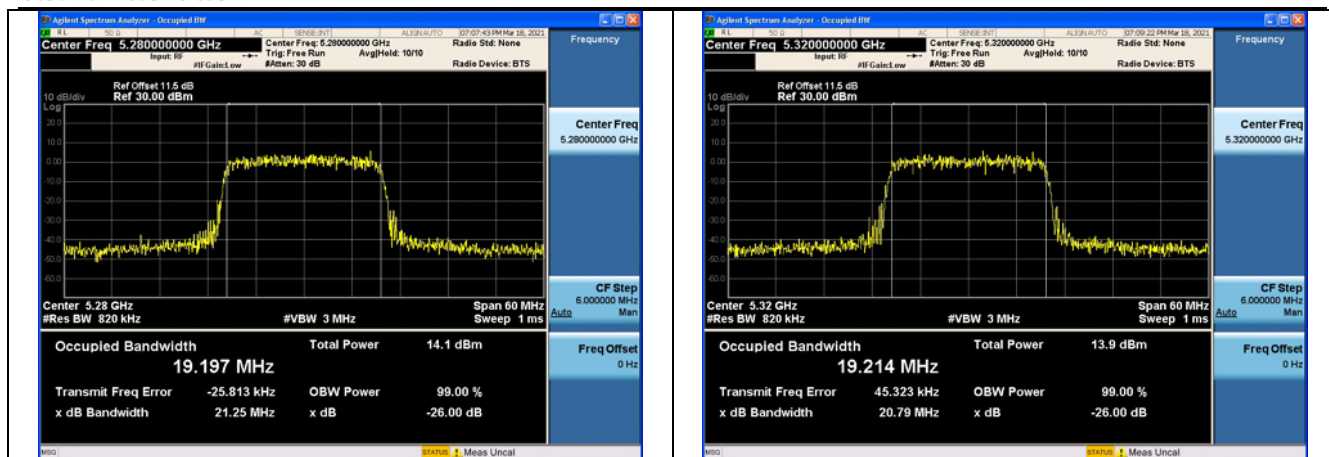


Test Mode:802.11ax HE20 Ant8



Test Mode:802.11ax HE20 Ant8

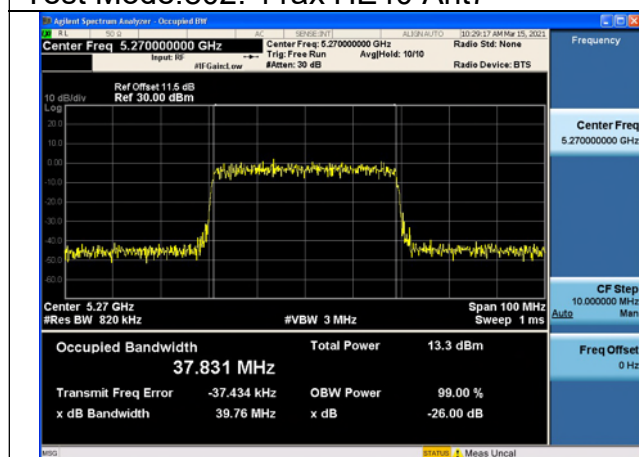
Test Mode:802.11ax HE20 Ant8



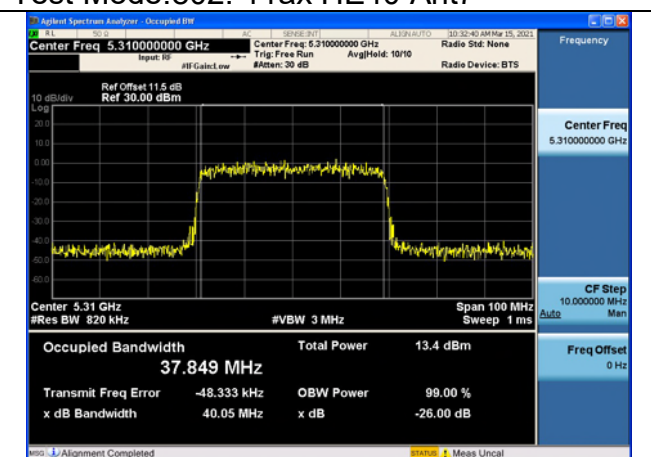
Test Mode:802.11ax HE40(484)

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5270	Ant7	39.76
	Ant8	40.69
5310	Ant7	40.05
	Ant8	40.05

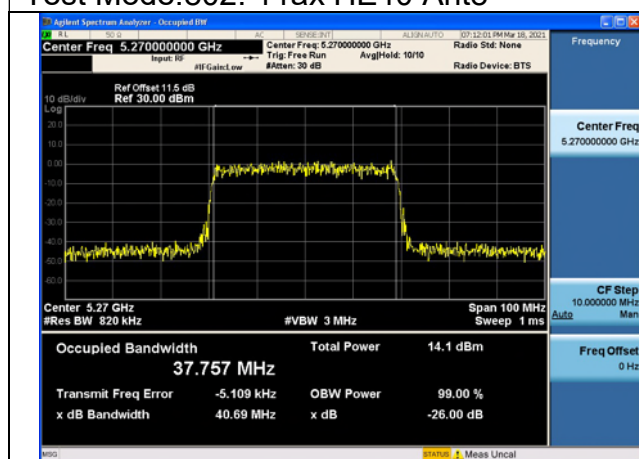
Test Mode:802.11ax HE40 Ant7



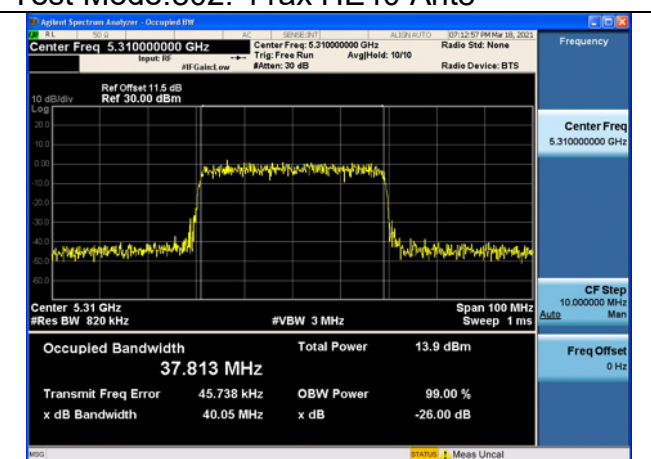
Test Mode:802.11ax HE40 Ant7



Test Mode:802.11ax HE40 Ant8



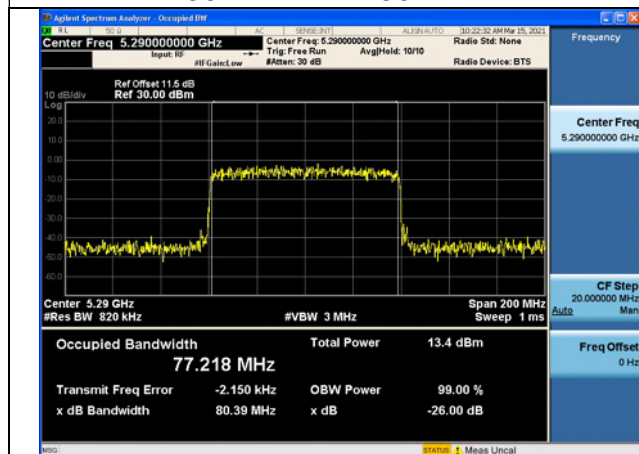
Test Mode:802.11ax HE40 Ant8



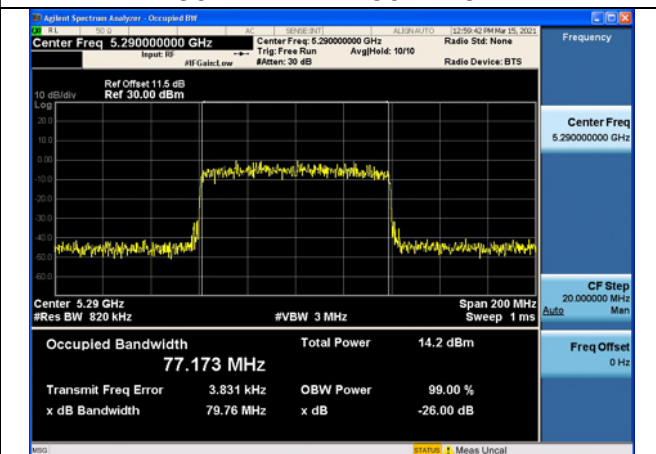
Test Mode:802.11ax HE80(996)

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5290	Ant7	80.39
	Ant8	79.76

Test Mode:802.11ax HE80 Ant7



Test Mode:802.11ax HE80 Ant8



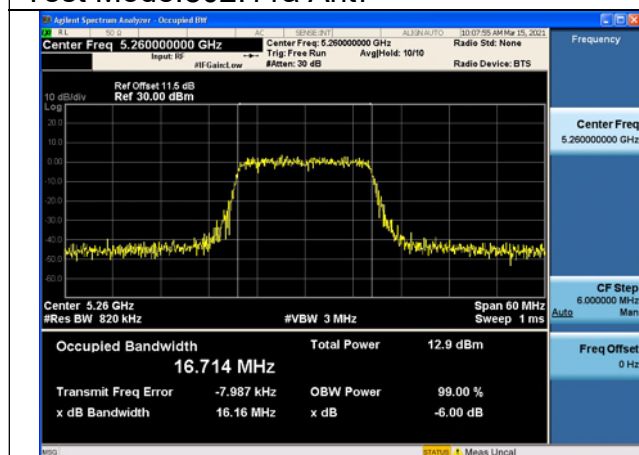
Occupied Bandwidth

Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

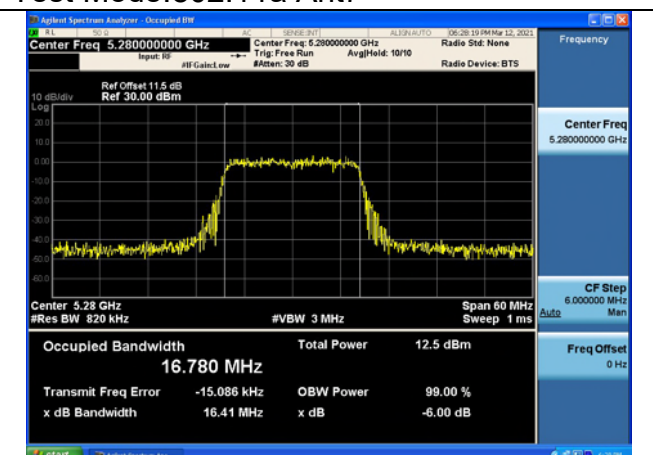
Test Mode:802.11a

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5260	Ant7	16.714
	Ant8	16.698
5280	Ant7	16.780
	Ant8	16.778
5320	Ant7	16.723
	Ant8	16.754

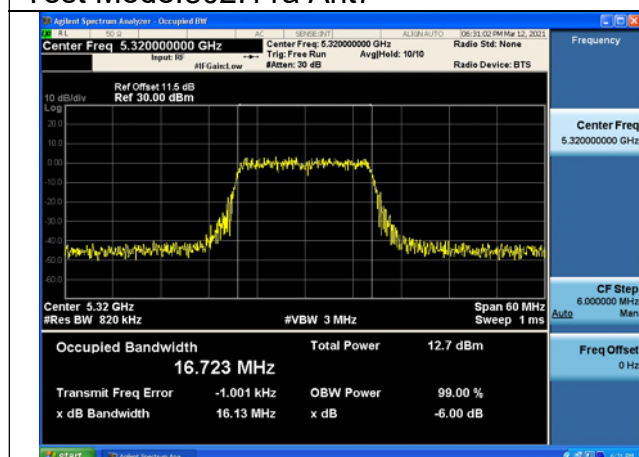
Test Mode:802.11a Ant7



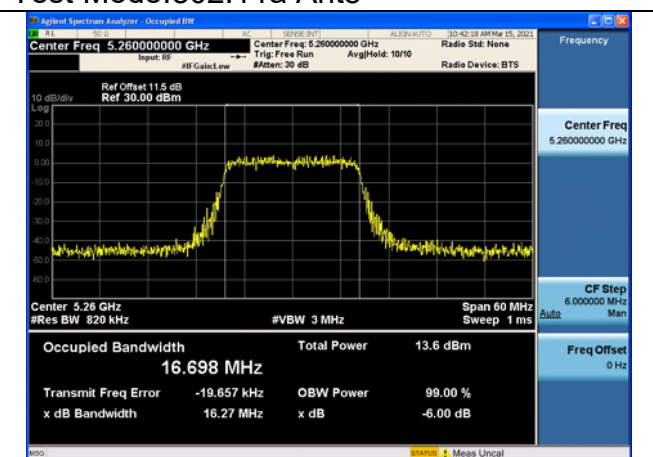
Test Mode:802.11a Ant7



Test Mode:802.11a Ant7



Test Mode:802.11a Ant8



Test Mode:802.11a Ant8

Test Mode:802.11a Ant8

